NonVisual Desktop Access (NVDA) For All
Thursday, Oct. 12, 3-4pm

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What is a screen reader?

- Reads text from the computer screen using speech synthesizer
- Uses keyboard commands to tell the screen reader what to read
- Information is read from the HTML code behind the website
- Not all websites are properly coded for accessibility
- Screen readers are customizable to the user's preferences
- You should not need your mouse to interact with an accessible site

For more information about coding for screen readers: Creating Accessible Websites

Which screen readers work best in the library?
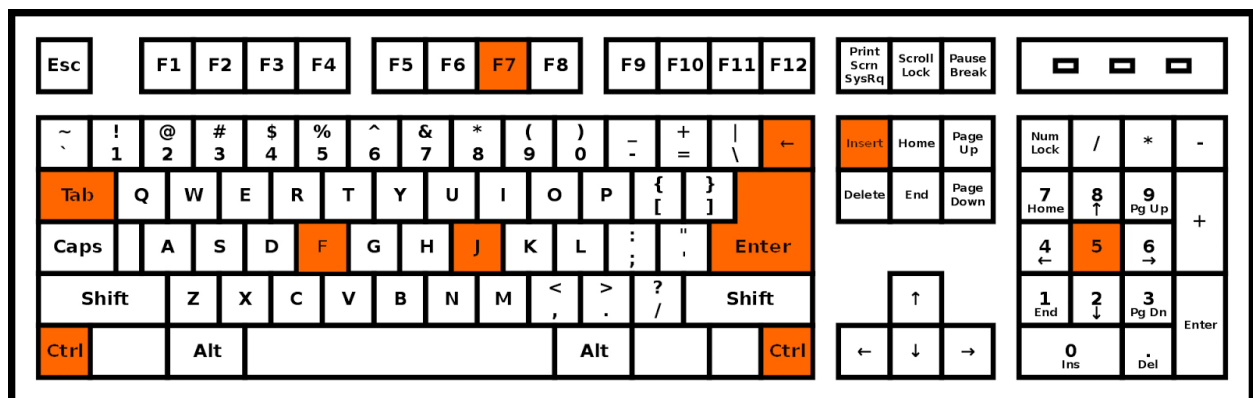
These screen readers are free and can be used by anyone:

Windows OS: NonVisual Desktop Access (NVDA)
MAC OS: VoiceOver

Since many libraries seem to be running Windows, NVDA will be used as an example. Everything in this presentation is applicable to all screen readers. However, all tutorials used in this presentation were created with, and are only applicable to NVDA.

How to make a visually impaired computer station:

1. Install a free screen reader.
2. Put tactile markings on the keyboard (place a dot on every orange key below)

3. Make sure the patron has headphones/ earbuds.
4. Compile screen reader tutorials
5. Optional: Hand-held or page magnifier, Signature Line Guide, Talking Calculator

How much will it all cost?

Material Type	Cost Range
Screen Reader	Free
Windows Ease of Access Center	Free
Headphones	$10-50 (depending on distributor)
Tactile Markings for Keyboard	$3-5
Large Print Keyboard or Key Labels (optional)	$7-25
Hand-Held Magnifier (optional)	$3-20 (depending on size/strength)
Signature Line Guide (optional)	$1-3
Talking Calculator (optional)	$12-20
Cost Range w/Optional Items	$36-123
Cost Range w/o Optional Items	$13-55

Tactile markings:
Bump Dots/ Loc-Dots: local NCBVI office (877) 809-2419 ($1-3)
Puffy Paint: craft store or Amazon ($2-5)

Large Print Keyboard:
LP Keyboard (Black on White) (~$20)
LP Keyboard Stickers (~$7)

Hand-Held Magnifier
Page Magnifier/ Fresnel Lens (~$14)
Pocket Magnifier w/ Protective Case (~$3) Larger Versions Recommended

Signature Line Guide
Foam Board/ Thick Poster Board- make your own ($1-2)
NCBVI- (~$3)

Talking Calculator
Large Print Talking Calculator (~$10)

Additional Resources for NVDA:
Download: https://www.nvaccess.org/download/
User Guide: https://www.nvaccess.org/files/nvda/documentation/userGuide.html
Evaluate Web Accessibility: https://webaim.org/articles/nvda/

Additional Resources for VoiceOver (automatically on iOS devices)**:**

User Guide: https://help.apple.com/voiceover/info/guide/10.12/
Evaluate Web Accessibility: https://webaim.org/articles/voiceover/